

Anti-Fatty acid-binding protein 4 (secreted) [Fab CA33] Standard Size Ab00428-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original Rabbit format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: Fab CA33

Alternative Name(s) of Target: FABP4; Adipocyte Protein 2; aP2

UniProt Accession Number of Target Protein: P04117

Published Application(s): Blocking, crystallography

Published Species Reactivity: Human

Immunogen: This antibody was generated by immunising New Zealand White rabbits with a mixture containing recombinant human and mouse aP2 (CAG33184.1 and CAJ18597.1, respectively).

Specificity: This antibody binds to both human and murine Fatty acid-binding protein.

Application Notes: The antibody binds to human Fatty-acid binding protein 4, which transports lipids and retinoic acids to their receptors. Administration of CA33 lowered fasting blood glucose, improved systemic glucose metabolism, increased systemic insulin sensitivity, and reduced fat mass and liver steatosis in obese mouse models.

Antibody First Published in: Burak et al. Development of a therapeutic monoclonal antibody that targets secreted fatty acid-binding protein aP2 to treat type 2 diabetes Science Translational Medicine 2015; 7:319ra205 [PMID:26702093](#)

Note on publication: Describes the generation and characterisation of this antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.